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FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 0.00)

Complete if Known

| | |
|----------------------|--------------------|
| Application Number | 10/713,472 |
| Filing Date | November 14, 2003 |
| First Named Inventor | Charles A. Vacanti |
| Examiner Name | Not yet assigned |
| Art Unit | 1615 |
| Attorney Docket No. | VAC 102 CON (2) |

METHOD OF PAYMENT (check all that apply)

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 Deposit Account:
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FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Description | Fee Paid |
|--------------------------|---------------|------------------------|----------|
| Fee Code (\$) | Fee Code (\$) | | |
| 1001 790 | 2001 395 | Utility filing fee | |
| 1002 350 | 2002 175 | Design filing fee | |
| 1003 550 | 2003 275 | Plant filing fee | |
| 1004 790 | 2004 395 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |
| SUBTOTAL (1) (\$) | | | |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Total Claims | 23 | -23 = 0 | |
| Independent Claims | 3 | -3** = 0 | |
| Multiple Dependent | | | |

| Large Entity | Small Entity | Fee Description |
|-------------------------------|---------------|--|
| Fee Code (\$) | Fee Code (\$) | |
| 1202 18 | 2202 9 | Claims in excess of 20 |
| 1201 88 | 2201 44 | Independent claims in excess of 3 |
| 1203 300 | 2203 150 | Multiple dependent claim, if not paid |
| 1204 88 | 2204 44 | ** Reissue independent claims over original patent |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) (\$ 0.00) | | |

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|---------------|---------------|--|----------|
| 1051 130 | 2051 65 | Surcharge - late filing fee or oath | |
| 1052 50 | 2052 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 130 | 1053 130 | Non-English specification | |
| 1812 2,520 | 1812 2,520 | For filing a request for ex parte reexamination | |
| 1804 920* | 1804 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 1,840* | 1805 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 110 | 2251 55 | Extension for reply within first month | |
| 1252 430 | 2252 215 | Extension for reply within second month | |
| 1253 980 | 2253 490 | Extension for reply within third month | |
| 1254 1,530 | 2254 765 | Extension for reply within fourth month | |
| 1255 2,080 | 2255 1,040 | Extension for reply within fifth month | |
| 1401 340 | 2401 170 | Notice of Appeal | |
| 1402 340 | 2402 170 | Filing a brief in support of an appeal | |
| 1403 300 | 2403 150 | Request for oral hearing | |
| 1451 1,510 | 1451 1,510 | Petition to institute a public use proceeding | |
| 1452 110 | 2452 55 | Petition to revive - unavoidable | |
| 1453 1,330 | 2453 665 | Petition to revive - unintentional | |
| 1501 1,370 | 2501 685 | Utility issue fee (or reissue) | |
| 1502 490 | 2502 245 | Design issue fee | |
| 1503 660 | 2503 330 | Plant issue fee | |
| 1460 130 | 1460 130 | Petitions to the Commissioner | |
| 1807 50 | 1807 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 180 | 1806 180 | Submission of Information Disclosure Stmt | |
| 8021 40 | 8021 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 790 | 2809 395 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 790 | 2810 395 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 790 | 2801 395 | Request for Continued Examination (RCE) | |
| 1802 900 | 1802 900 | Request for expedited examination of a design application | |

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0.00)

(Complete if applicable)

| Name (Print/Type) | Tiffany B. Salmon | Registration No. (Attorney/Agent) | 55,589 | Telephone (404) 879-2153 |
|-------------------|---|-----------------------------------|--------|--------------------------|
| Signature |  | | Date | December 1, 2004 |

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DE 10 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Charles A. Vacanti, Joseph P. Vacanti, and Martin P. Vacanti

Serial No.: 10/713,472 Art Unit: 1615

Filed: November 14, 2003 Examiner: Not Yet Assigned

For: *GUIDED DEVELOPMENT AND SUPPORT OF HYDROGEL-CELL COMPOSITIONS*

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56 and 37 C.F.R. §1.97, Applicants submit an Information Disclosure Statement, including 7 pages of Form PTO-1449. The documents cited below were cited by or submitted to the Patent Office in Application Serial No. 09/658,912, filed September 11, 2000, now abandoned, which is a continuation of Application Serial No. 09/200,033, filed November 25, 1998, which issued as U.S. Patent 6,171,610 on January 9, 2001, which is a continuation-in-part of U.S. Serial No. 09/066,038, filed April 24, 1998, to which the present application claims priority. Pursuant to 37 C.F.R. §1.98(d), Applicants are not enclosing copies of these publications. Copies will be provided upon request, however.

This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) prior to a first Office Action on the merits. It is believed that no fee is required with this submission.

U.S.S.N.: 10/713,472

Filed: November 14, 2003

INFORMATION DISCLOSURE STATEMENT

However, should a fee be required, the Commissioner is hereby authorized to charge any required fees to Deposit Account No. 50-3129.

U.S. Patents

| <u>Number</u> | <u>Issue Date</u> | <u>Patentee</u> | <u>Class/Subclass</u> |
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| 4,846,835 | 07-1989 | Grande | |
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| <u>Number</u> | <u>Publication Date</u> | <u>Patentee</u> | <u>Country</u> |
|---------------|-------------------------|---|----------------|
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| WO 92/06702 | 04-30-1992 | New York University | PCT |
| WO 93/16687 | 02-09-1993 | Board of Regents, The University of Texas System | PCT |
| WO 93/24627 | 12-09-1993 | Case Western Reserve University, The Metrohealth System, and The University of Akron | PCT |
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Remarks

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicants are of the opinion that their claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,



Tiffany B. Salmon
Reg. No. 55,589

Dated: December 7, 2004

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Application Number | 10/713,472 |
| (use as many sheets as necessary) | | Filing Date | November 14, 2003 |
| | | First Named Inventor | Charles A. Vacanti |
| | | Group Art Unit | 1615 |
| | | Examiner Name | |
| Sheet | 1 | of | 7 |
| | | Attorney Docket Number | VAC 102 CON (2) |

| U.S. PATENT DOCUMENTS | | | | | | | | |
|--------------------------|-----------------------|-------------------------|-----------------------------------|---|--|---|---|----------------|
| Examiner Initials* | Cite No. ¹ | US Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | | |
| | | Number | Kind Code ² (if known) | | | | | |
| | | 4,191,747 | | Scheicher | 03-1980 | | | |
| | | 4,846,835 | | Grande | 07-1989 | | | |
| | | 4,997,443 | | Walhall et al. | 03-1991 | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | | EP | 0 361 957 | | Organogenesis, Inc. | 04-04-1990 | | |
| | | PCT | WO 92/06702 | | New York University | 04-30-1992 | | |
| | | PCT | WO 93/16687 | | Board of Regents, The University of Texas System | 02-09-1993 | | |

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| Examiner's Signature | | Date Considered | |
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¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

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| Substitute for form 1449A/PTO | | | | Complete if Known | |
| | | | | Application Number | 10/713,472 |
| | | | | Filing Date | November 14, 2003 |
| | | | | First Named Inventor | Charles A. Vacanti |
| | | | | Group Art Unit | 1615 |
| | | | | Examiner Name | |
| Sheet | 2 | of | 7 | Attorney Docket Number | VAC 102 CON (2) |

| U.S. PATENT DOCUMENTS | | | | | | |
|-----------------------|-----------------------|--------------------|-----------------------------------|---|-----------------------------------|---|
| Examiner Initials* | Cite No. ¹ | US Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
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| | | 5,512,600 | | Mikos et al. | 04-1996 | |
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| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | | PCT | WO 93/24627 | | Case Western Reserve The Metrohealth System, and The University of Akron | 12-09-1993 | | |
| | | PCT | WO 94/25079 | | Massachusetts Institute of Technology, and Children's Medical Center Corporation | 11-10-1994 | | |

| | |
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| Examiner's Signature | Date Considered |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | | Application Number | 10/713,472 |
| Sheet | 3 | of | 7 | Filing Date | November 14, 2003 |
| | | | | First Named Inventor | Charles A. Vacanti |
| | | | | Group Art Unit | 1615 |
| | | | | Examiner Name | |
| | | | | Attorney Docket Number | VAC 102 CON (2) |

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